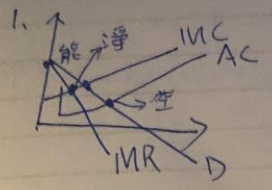
1.



空：D＝AC
能：在MR＝D
淨：MR＝MC

2. a) $a-2bQ=c+eQ$

$Q=\frac{a-c}{2b+e}$ $\quad P=a-b\left[\frac{a-c}{2b+e}\right]$

b) $Q=\frac{a-c}{2b+e}$ $\quad P=\frac{ab+ae+bc}{2b+e}$

c) $e\geq 0$ $\quad P=\frac{ab+ae+bc}{2b+e}$

3. A) $MR=MC$

$120-2q=4q$

$q=20 \Rightarrow P=100$

$\pi: 100\times 20-2\times 20^2=1200$

Ed: $\frac{100}{20}=5$ $\quad MC=4q=80$

獨占力 $=\frac{100-80}{100}=0.2$

B) $20\times\frac{4}{2}=40$

C) $P=MC$ $\quad 120-4=4q$

$q=24$ $\quad P=96$

$96\times 24-24^2\times 2=1152$

MC定價 $\Rightarrow 0$

D) $P=AC$

$120-4=2q$ $\quad q=40$

$\pi=80\times 40-2\times 40^2=0$

$\square\ 120-80\times\frac{40}{2}=800$

$1440-800=640$